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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/065,169	09/24/2002	Thomas Roehr	2002P09637US	4887
31366	7590	11/06/2003	EXAMINER	
			LUU, PHO M	
		ART UNIT		PAPER NUMBER
		2824		
DATE MAILED: 11/06/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/065,169	ROEHR ET AL. 44	
	Examiner Pho M Luu	Art Unit 2824	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-6 is/are rejected.
- 7) Claim(s) 7-17 is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 24 September 2002 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on ____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some *
 - c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____ .	6) <input checked="" type="checkbox"/> Other: <i>Search History</i> .

DETAILED ACTION

Specification

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

2. The abstract of the disclosure is objected to because the content is written, "**comprising**" and "**disclosed**". Correction is required. See MPEP § 608.01(b).

Drawings

3. Figure 1 should be designated by a legend such as --**Prior Art**-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction

or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Cowles et al. (US. 6,269,035).

Regarding claim 1, Cowles et al (Fig. 1) discloses a redundancy unit (10) comprising a first fuse block (12a) comprising at least one first fuse (14a, and redundant memory 16a, 18a), a second fuse block (12b) comprising at least one second fuse (14b, and redundant memory 16b, 18b) and a redundant element (16a, 18a, 16b, 18b) coupled to the first fuse block (12a) and second fuse block (12b) which is the redundant element can be programmed by either the first or second fuse block (see column 3, lines 3-21).

With respect to claim 2, Cowles et al (Fig. 1) disclosed that the repairs defects in an integrated circuit (see column 5, lines 41-63).

With respect to claim 3, Cowles et al (Fig. 1) disclosed that the redundant element repairs defects in a memory array (see column 5, lines 41-43).

With respect to claim 4, Cowles et al disclosed that the redundant element comprises a memory cell (14a, 14b).

With respect to claim 5, Cowles et al (Fig. 1) disclosed that the redundant element comprises memory cells for row redundancy (see column 5, lines 44-51).

With respect to claim 6, Cowles et al (Fig. 1) disclosed that the redundant element comprises a memory cells for column redundancy (column 5, lines 41-43).

Allowable Subject Matter

6. Claims 7-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 7, the prior art of record do not disclose or suggest the first fuse comprises a laser blowable fuse and the second fuse comprises an electrical fuse.

Regarding claim 16, the prior art of record do not disclose or suggest a selection circuit coupled to between the fuse blocks and redundancy element.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kirihata et al. (US. 6,166,981) disclosed a redundancy match detection circuit and a means for coupling programmable fuses to the redundancy match detection circuit.

Kwak (US. 6,590,814) disclosed the semiconductor memory device includes an address setting circuit to set a redundant control signal and defect address of each of the memory cell array block.

9. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Pho M. Luu whose telephone number is 703.306.5943.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Richard Elms, can be reached on 703.308.2816. The official fax number for the organization where this application or proceeding is assigned is 703.872.9306 for all official communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703.308.0956.

PML
30 October 2003

Van Thu Nguyen
VAN THU NGUYEN
PATENT EXAMINER